

## 9) Virtual Functions & Abstract classes

\* Pure Virtual Functions : which have no definition :

⇒ virtual void print() { } { normal  
virtual  
function

⇒ Pure Virtual function

virtual void print() = 0;

Any class that contains atleast one pure virtual class, then the class becomes Abstract class

\* we can't create object of Abstract class;

class Vehicle {

public:  
    string color;

    "Pure Virtual function

    virtual void print() = 0;

};

```
class Car: public {  
    public:  
        int numGears;
```

```
    void print() {  
        cout << "Car" << endl;  
    }
```

};

Vehicle (Abstract)



Car

→ implement all the pure virtual functions  
→ Become an abstract class.